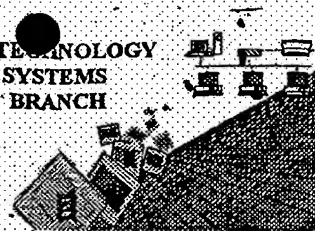0590
0906

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/054,399_
Source: _OIPE_
Date Processed by STIC: _9-16-02_

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual - ePAVE)**
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OIPE

RAW SEQUENCE LISTING   DATE: 09/16/2002
PATENT APPLICATION: US/10/054,399   TIME: 10:54:29

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        Output Set: N:\CRF4\09162002\J054399.raw

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    3   Nern, Peter MA
    5 <120> TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND PROTEIN SEQUENCES
    7 <130> FILE REFERENCE: DYOU13.1A2CP1
    9 <140> CURRENT APPLICATION NUMBER: 10/054399
C-->10 <141> CURRENT FILING DATE: 2002-08-30
   12 <150> PRIOR APPLICATION NUMBER: 09/168,474
   13 <151> PRIOR FILING DATE: 1998-10-08
   15 <150> PRIOR APPLICATION NUMBER: 08/951,141
   16 <151> PRIOR FILING DATE: 1997-10-15
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   19 <151> PRIOR FILING DATE: 2000-04-07
   21 <150> PRIOR APPLICATION NUMBER: US 09/732,180
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   24 <150> PRIOR APPLICATION NUMBER: US 60/169,699
   25 <151> PRIOR FILING DATE: 1999-12-07
   27 <150> PRIOR APPLICATION NUMBER: PCT/GB98/03033
   28 <151> PRIOR FILING DATE: 1998-10-08
   30 <150> PRIOR APPLICATION NUMBER: 9812793.9
   31 <151> PRIOR FILING DATE: 1998-06-12
   33 <150> PRIOR APPLICATION NUMBER: 9721357.3
   34 <151> PRIOR FILING DATE: 1997-10-08
   36 <150> PRIOR APPLICATION NUMBER: 9721358.1
   37 <151> PRIOR FILING DATE: 1997-10-08
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   54 tttgcattta acgatgagga gctttttcact atatccgacg tttttgccaa ctcgacgtcc 180
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                    PATENT APPLICATION:  US/10/054,399   TIME: 10:54:29

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The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

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70            20              25              30
72 Phe Ile Leu Gly Cys Lys Lys His Phe Ala Phe Asn Asp Glu Glu Leu
73        35              40              45
75 Phe Thr Ile Ser Asp Val Phe Ala Asn Ser Thr Ser Gln Leu Val Lys
76      50              55              60
78 Val Leu Glu Val Val Glu Thr Leu Met Asn Ser Ser
79 65              70              75
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88 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleic acid
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93 ttttgcattta acgatgagga gcttttcact atatccgacg ttttttgccaa ctcgacgtcc 180
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112        35              40              45
114 Phe Thr Ile Ser Asp Val Phe Ala Asn Ser Thr Ser Gln Leu Val Lys
115      50              55              60
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132 ttttgcattta acgatgagga gcttttcact atatccgacg ttttttgccaa ctcgacgtcc 180
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need to explain the source of the genetic material

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148         20              25                  30
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151         35              40                  45
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171 tttgcattta acgatgagga gcttttcact atatccgacg tttttgccaa ctcgacgtcc 180
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187         20              25                  30
189 Phe Ile Leu Gly Cys Lys Lys His Phe Ala Phe Asn Asp Glu Glu Leu
190         35              40                  45
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200 <211> LENGTH: 392
201 <212> TYPE: PRT
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see
page 4

RAW SEQUENCE LISTING   DATE: 09/16/2002
PATENT APPLICATION: US/10/054,399   TIME: 10:54:29

Input Set : A:\pto_ms.txt
Output Set: N:\CRF4\09162002\J054399.raw

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212           20                  25                  30
214 Ile Thr Ser Glu Glu Leu Tyr Met Leu Phe Pro Asn Leu Gly Asp Ala
215           35                  40                  45
217 Ile Asp Phe Gln Arg Arg Phe Leu Ile Ser Leu Glu Ile Asn Ala Leu
218        50                  55                  60
220 Val Glu Pro Ser Lys Gln Arg Ile Gly Ala Leu Phe Met His Ser Lys
221  65                  70                  75                  80
223 His Phe Phe Lys Leu Tyr Glu Pro Trp Ser Ile Gly Gln Asn Ala Ala
224              85                  90                  95
226 Ile Glu Phe Leu Ser Ser Thr Leu His Lys Met Arg Val Asp Glu Ser
227              100                 105                 110
229 Gln Arg Phe Ile Ile Asn Asn Lys Leu Glu Leu Gln Ser Phe Leu Tyr
230              115                 120                 125
232 Lys Pro Val Gln Arg Leu Cys Arg Tyr Pro Leu Leu Val Lys Glu Leu
233     130                 135                 140
235 Leu Ala Glu Ser Ser Asp Asp Asn Asn Thr Lys Glu Leu Glu Ala Ala
236 145                 150                 155                 160
238 Leu Asp Ile Ser Lys Asn Ile Ala Arg Ser Ile Asn Glu Asn Gln Arg
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241 Arg Thr Glu Asn His Gln Val Val Lys Lys Leu Tyr Gly Arg Val Val
242              180                 185                 190
244 Asn Trp Lys Gly Tyr Arg Ile Ser Lys Phe Gly Glu Leu Leu Tyr Phe
245              195                 200                 205
247 Asp Lys Val Phe Ile Ser Thr Thr Asn Ser Ser Ser Glu Pro Glu Arg
248     210                 215                 220
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251 225                 230                 235                 240
253 Val Val Thr Lys Lys Ser Ala Ser Ser Leu Ile Leu Lys Lys Lys Ser
254              245                 250                 255
256 Ser Thr Ser Ala Ser Ile Ser Ala Ser Asn Ile Thr Asp Asn Asn Gly
257              260                 265                 270
259 Ser Pro His His Ser Tyr His Lys Arg His Ser Asn Ser Ser Ser Ser
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263     290                 295                 300
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266 305                 310                 315                 320
268 Leu Phe Lys Leu Ser Ala Asn Glu Pro Lys Leu Asp Leu Arg Gly Arg
269              325                 330                 335
271 Ile Met Ile Met Asn Leu Asn Gln Ile Ile Pro Gln Asn Asn Arg Ser
272              340                 345                 350
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RAW SEQUENCE LISTING   DATE: 09/16/2002
PATENT APPLICATION: US/10/054,399   TIME: 10:54:29

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275          355                360                365
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294 ccacaaagtc tacaggatat ctctgcagtg gaggaagaaa ttcaaaataa aatagaggcc 120
295 gccagacaag agagtaaaca gcttcatgct caaataaata aagcaaaaca caagatacaa 180
296 gatgcaagct tattccagat ggccaacaaa gttacttcgt tgaccaaaaa taagatcaac 240
297 ttaaagccaa atatcgtgtt gaaaggccat aataataaaa tctcagattt tcggtggagt 300
298 cgagattcaa aacgtatttt gagtgcaagt caagatggct ttatgcttat atgggacagt 360
299 gcttcaggtt taaaacagaa cgctattcca ttagattctc aatgggttct ttcctgcgct 420
300 atttcgccat cgagtacttt ggtagcaagc gcaggattaa acaataactg taccatttat 480
301 agagtttcga agaaaacag agtagcgcaa aacgttgcgt caattttcaa aggacatact 540
302 tgctatattt ctgacattga atttacagat aacgcacata tattgacagc aagtggggat 600
303 atgacatgtg ccttgtggga tataccgaaa gcaaagaggg tgagagaata ttctgaccat 660
304 ttaggtgatg tttttggcatt agctattcct gaagagccaa acttagaaaa ttcttcgaac 720
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306 gctgtacaaa gcttttacgt taacgatagt gatattaatg cacttcgttt tttcaaagac 840
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335      50                55                60
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/16/2002
PATENT APPLICATION: US/10/054,399   TIME: 10:54:30

Input Set : A:\pto_ms.txt
Output Set: N:\CRF4\09162002\J054399.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:32; N Pos. 12
Seq#:33; N Pos. 13

VERIFICATION SUMMARY   DATE: 09/16/2002
PATENT APPLICATION: US/10/054,399   TIME: 10:54:30

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Output Set: N:\CRF4\09162002\J054399.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1843 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY   DATE: 09/10/2002
PATENT APPLICATION: US/10/054,399   TIME: 08:57:09

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Output Set: N:\CRF3\09102002\J054399.raw

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L:1799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1841 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1841 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1841 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1841 M:200 E: Mandatory Header Field missing, <400> is required.
L:39 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (37) Counted (36)

Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING   DATE: 09/10/2002
PATENT APPLICATION: US/10/054,399   TIME: 08:57:08

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  3   Nern, Peter MA
  5 <120> TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND PROTEIN SEQUENCES
  7 <130> FILE REFERENCE: DYOU13.1A2CP1
  9 <140> CURRENT APPLICATION NUMBER: 10/054399
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need to insert line breaks between numeric identifiers.

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